STIC Search Report
EIC 1700

STIC Database Tracking Number: 103433

TO:	From:
Robert Sellers **Location: CP3 5B12** **Art Unit : 1712** **September 12, 2003** **Case Serial Number: 10/016844**	**Kathleen Fuller** **Location: EIC 1700** **CP3/4 3D62** **Phone: 308-4290** **Kathleen.Fuller@uspto.gov**

Search Notes

I numbered the structures in the application pages you gave me. I only found exact structures for 3, 7 and 6 using a structure search combined with the molecular formulas. There were no structure for 1,2,4,5, 8 and 9..

=> FILE REG
FILE 'REGISTRY' ENTERED AT 10:15:22 ON 12 SEP 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 SEP 2003 HIGHEST RN 583020-12-6
DICTIONARY FILE UPDATES: 10 SEP 2003 HIGHEST RN 583020-12-6

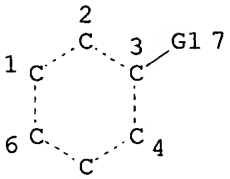
TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> D QUE L30
L6 STR 1



H3C—C═CH2
11 @12 13

CH═CH—CH2
@8 9 10

VAR G1=8/12
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L8 STR 2

O—Ak—Cb—Ak—O
1 2 3 4 5

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

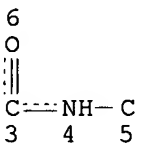
STEREO ATTRIBUTES: NONE
L12 STR 3

CH2-CH2-CH2-CH2-O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

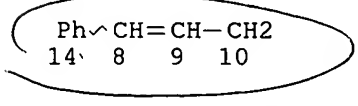
STEREO ATTRIBUTES: NONE
L13 STR 4



VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE
L17 SCR 1016 OR 970
L19 4169 SEA FILE=REGISTRY SSS FUL L6 AND (L8 OR L12 OR L13) AND L17
L20 52 SEA FILE=REGISTRY ABB=ON L19 AND 1/SI AND 1/NR AND 5/O AND 1/N
L21 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

structure queries 1 and (2 or 3 or 4) covers all the structures 1 through 9 on the attached sheets — 4,169 structures

Subset search with more exact compounds

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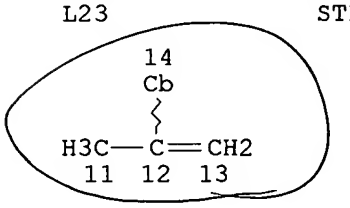
STEREO ATTRIBUTES: NONE
L23 STR



NODE ATTRIBUTES:
CONNECT IS X2 RC AT 14
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED

2,491 structures

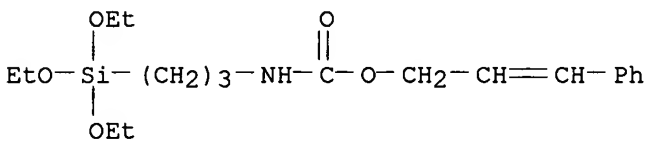
GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L27 2491 SEA FILE=REGISTRY SUB=L19 SSS FUL L21 OR L23
L29 12 SEA FILE=REGISTRY ABB=ON L20 AND L27
L30 1 SEA FILE=REGISTRY ABB=ON L29 AND C19H31NO5SI/MF

=> D L30

3

L30 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 374782-58-8 REGISTRY
CN Carbamic acid, [3-(triethoxysilyl)propyl]-, 3-phenyl-2-propenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C19 H31 N O5 Si**
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



structure number 3 from sheet

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1937 TO DATE)
1 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> D QUE L32
L6 STR

attempt to find number 4 — not found

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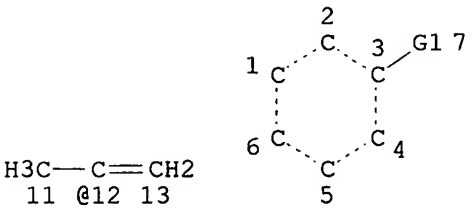


CH═CH—CH2
@8 9 10

VAR G1=8/12
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L8 STR

O—Ak—Cb—Ak—O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

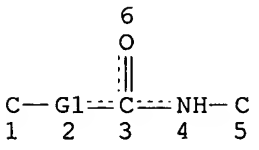
STEREO ATTRIBUTES: NONE
L12 STR

CH2·CH2·CH2·CH2·O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

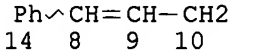
STEREO ATTRIBUTES: NONE
L13 STR



VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

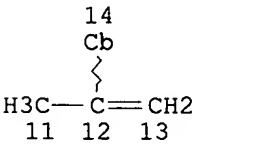
STEREO ATTRIBUTES: NONE
L17 SCR 1016 OR 970
L19 4169 SEA FILE=REGISTRY SSS FUL L6 AND (L8 OR L12 OR L13) AND L17
L21 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L23 STR



NODE ATTRIBUTES:
CONNECT IS X2 RC AT 14
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L27 2491 SEA FILE=REGISTRY SUB=L19 SSS FUL L21 OR L23
L32 3 SEA FILE=REGISTRY ABB=ON L27 AND 54/C

=> D SCAN L32

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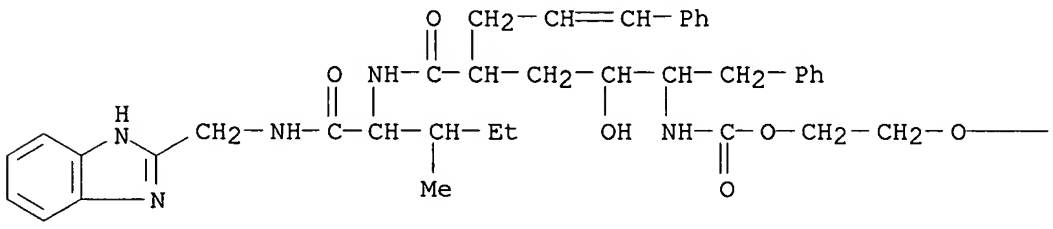
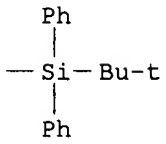
L32 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Carbamic acid, [4-[[[1-[[(1H-benzimidazol-2-ylmethyl)amino]carbonyl]-2-methylbutyl]amino]carbonyl]-2-hydroxy-7-phenyl-1-(phenylmethyl)-6-heptenyl]-, 2-[[(1,1-dimethylethyl)diphenylsilyl]oxy]ethyl ester, [1S-[1R*,2R*,4S*(1R*,2R*)]]- (9CI)
MF **C54 H65 N5 O6 Si**

PAGE 1-A



PAGE 1-B

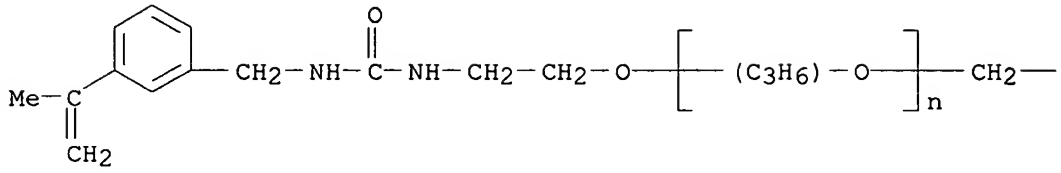


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

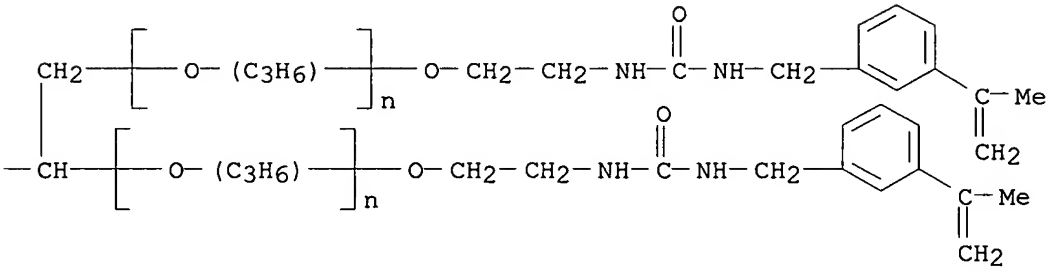
L32 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-[methyl-2-[[[[[3-(1-methylethenyl)phenyl]methyl]amino]carbonyl]amino]ethoxy]- (9CI)
MF **(C3 H6 O)n (C3 H6 O)n (C3 H6 O)n C45 H62 N6 O6**
CI IDS, PMS, COM

PAGE 1-A



3 (D1—Me)

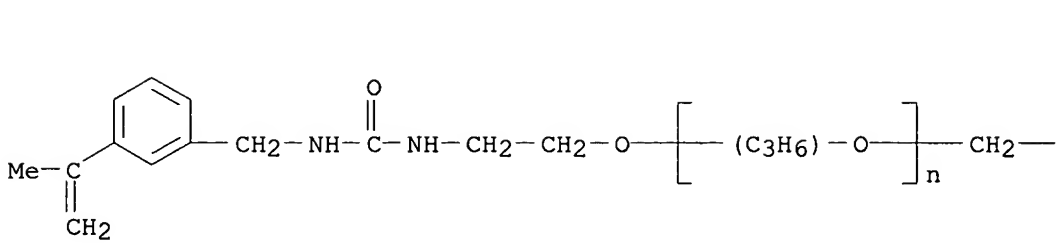
PAGE 1-B



L32 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Butanedioic acid, mono[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl] ester, polymer with 2-ethylhexyl 2-methyl-2-propenoate, .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-[methyl-2-[[[[[3-(1-methylethenyl)phenyl]methyl]amino]carbonyl]amino]ethoxy]poly[oxy(methyl-1,2-ethanediyl)]] and (tetrahydro-2-furanyl)methyl 2-methyl-2-propenoate (9CI)
MF **(C12 H22 O2 . C10 H14 O6 . C9 H14 O3 . (C3 H6 O)n (C3 H6 O)n (C3 H6 O)n C45 H62 N6 O6)x**
CI PMS

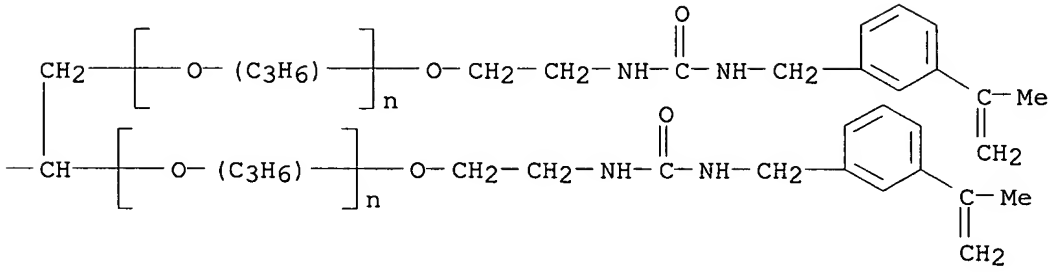
CM 1

PAGE 1-A

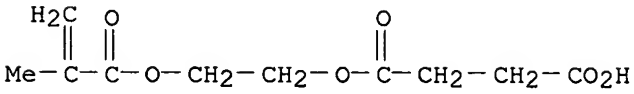


3 (D1—Me)

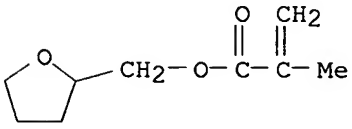
PAGE 1-B



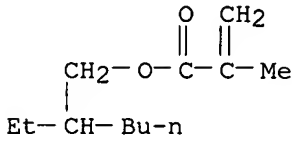
CM 2



CM 3



CM 4



ALL ANSWERS HAVE BEEN SCANNED

=> D QUE L28
L28 3 SEA FILE=REGISTRY ABB=ON C30H3702/MF

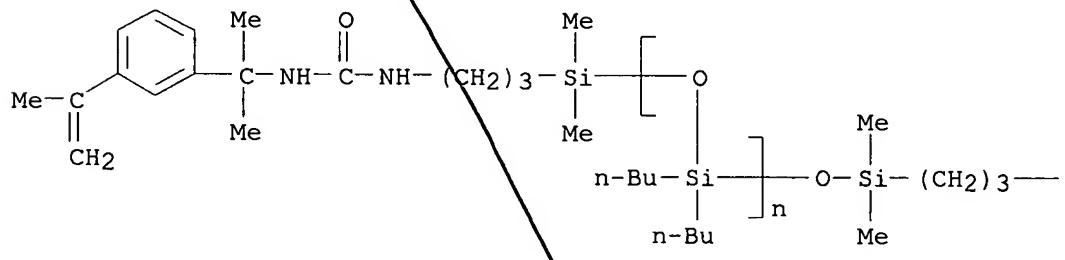
structure 1

=> D SCAN

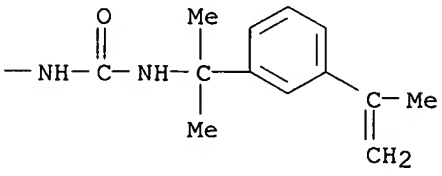
L33 20 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Propenoic acid, 2-methylpropyl ester, polymer with .alpha.-[dimethyl[3-[[[[1-methyl-1-[3-(1-methylethenyl)phenyl]ethyl]amino]carbonyl]amino]propyl]silyl]-.omega.-[[dimethyl[3-[[[[1-methyl-1-[3-(1-methylethenyl)phenyl]ethyl]amino]carbonyl]amino]propyl]silyl]oxy]poly[oxy(dibutylsilylene)] (9CI)
MF **((C8 H18 O Si)n C36 H58 N4 O3 Si2 . C7 H12 O2)x**
CI PMS

CM 1

PAGE 1-A



PAGE 1-B

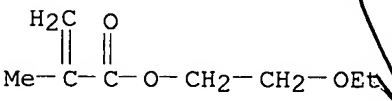


CM 2

CM 4

CM 5

CM 6



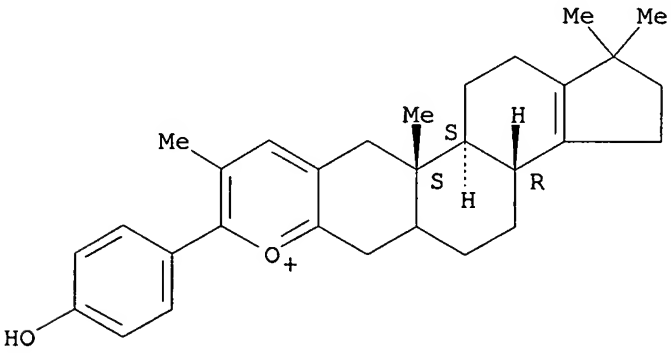
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1): 0

=> D SCAN L28

L28 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 18-Norandrosta-2,13-dieno[3,2-b]pyrylium, 6'-(4-hydroxyphenyl)-5',17,17-trimethyl- (9CI)
MF **C30 H37 O2**
CI COM

number 1 — none of the structures is correct

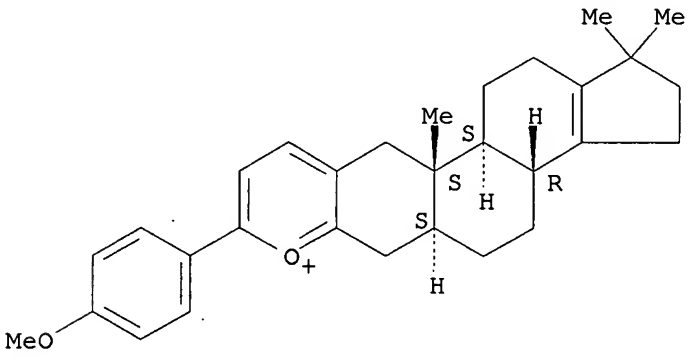
Absolute stereochemistry.



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

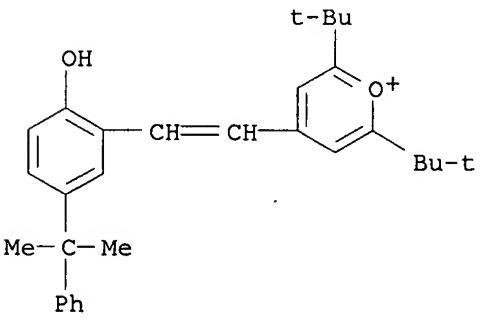
L28 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 18-Norandrosta-2,13-dieno[3,2-b]pyrylium, 6'-(4-methoxyphenyl)-17,17-dimethyl-, (5.alpha.)- (9CI)
MF **C30 H37 O2**
CI COM

Absolute stereochemistry.



no

L28 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Pyrylium, 2,6-bis(1,1-dimethylethyl)-4-[2-[2-hydroxy-5-(1-methyl-1-phenylethyl)phenyl]ethenyl]- (9CI)
MF **C30 H37 O2**
CI COM

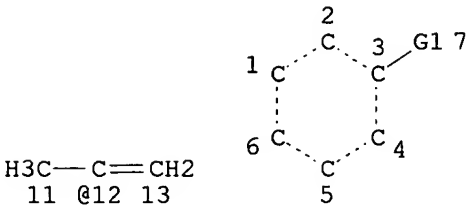


no

ALL ANSWERS HAVE BEEN SCANNED

=> D QUE
L7 STR

structure # 7



CH═CH—CH2
@8 9 10

VAR G1=8/12
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L8 STR

O—Ak—Cb—Ak—O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

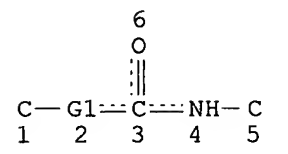
STEREO ATTRIBUTES: NONE
L9 STR

CH2·CH2·CH2·CH2·O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

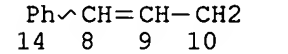
STEREO ATTRIBUTES: NONE
L10 STR



VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

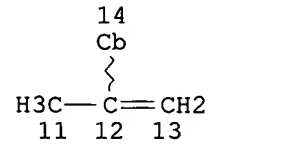
STEREO ATTRIBUTES: NONE
L11 SCR 1016 OR 970
L12 (4169)SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
L13 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L14 STR



NODE ATTRIBUTES:
CONNECT IS X2 RC AT 14
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
L22 1 SEA FILE=REGISTRY ABB=ON L15 AND C23H32N2O5/MF

=> D

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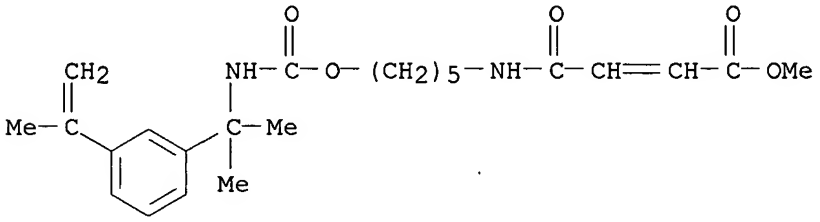
L22 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 365280-67-7 REGISTRY
CN 2-Butenoic acid, 4-[[5-[[[[1-methyl-1-[3-(1-methylethenyl)phenyl]ethyl]amino]carbonyl]oxy]pentyl]amino]-4-oxo-, methyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C23 H32 N2 O5**
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Structure 7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1937 TO DATE)
1 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> SET COST OFF
SET COMMAND COMPLETED

=> FILE HCAPLU
FILE 'HCAPLUS' ENTERED AT 14:30:49 ON 12 SEP 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 12 Sep 2003 VOL 139 ISS 12
FILE LAST UPDATED: 11 Sep 2003 (20030911/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L22
L23 1 L22

=> D ALL

L23 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:741562 HCAPLUS
DN 135:289535
TI Compounds with electron donor and electron acceptor functionality
IN Musa, Osama M.
PA National Starch and Chemical Investment Holding Corp., USA
SO U.S., 12 pp.
CODEN: USXXAM
DT Patent
LA English
IC ICM C08G018-04
NCL 528044000
CC 37-2 (Plastics Manufacture and Processing)
Section cross-reference(s): 25
FAN.CNT 1

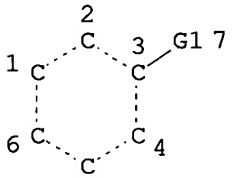
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6300456	B1	20011009	US 2000-573838	20000518
	EP 1156036	A2	20011121	EP 2001-111275	20010516
	EP 1156036	A3	20030910		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002030041	A2	20020129	JP 2001-146637	20010516
	CN 1325847	A	20011212	CN 2001-119525	20010517
PRAI	US 2000-573838	A	20000518		

OS MARPAT 135:289535
AB Compds. contg. both electron donor and electron acceptor functionality are suitable for use in adhesives. The electron donor group is a C-C double bond attached to an arom. ring and conjugated with the unsatn. in the ring. The electron acceptor group is a maleimide, acrylate, fumarate or maleate. Reaction schemes show the way to the unsatd. compds.
ST maleimido vinyl ether compd adhesive
IT Adhesives
(compds. with electron donor and electron acceptor functionality for adhesive formulations)
IT 46348-68-9P 365280-60-0P 365280-61-1P 365280-62-2P 365280-63-3P
365280-64-4P 365280-65-5P 365280-66-6P **365280-67-7P**
RL: IMF (Industrial manufacture); PREP (Preparation)
(compds. with electron donor and electron acceptor functionality for adhesive formulations)
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Dershem; US 6034194 2000 HCAPLUS
(2) Dershem; US 6034195 2000 HCAPLUS
(3) Green; US 5514727 1996 HCAPLUS
(4) Heffner; US 4486582 1984 HCAPLUS
(5) Husson; US 5789757 1998 HCAPLUS
(6) Jacobine; US 5516455 1996 HCAPLUS
(7) Kohli, P; Macromolecules 1998, V31, P5681 HCAPLUS
(8) Lapin; US 4749807 1988 HCAPLUS
(9) Lapin; US 4751273 1988 HCAPLUS
(10) Lapin; US 4775732 1988 HCAPLUS
(11) Liu; US 5183946 1993 HCAPLUS
(12) McArdle; US 5084490 1992 HCAPLUS
(13) Nguyen; US 5708129 1998 HCAPLUS
(14) Noren; US 5334456 1994 HCAPLUS

(15) Swedo; US 5491178 1996 HCAPLUS
(16) Swedo; US 5539014 1996 HCAPLUS
(17) Woods; US 4543397 1985 HCAPLUS
(18) Woods; US 4640849 1987 HCAPLUS
(19) Woods; US 4732956 1988 HCAPLUS
(20) Woods; US 5019629 1991 HCAPLUS
(21) Woods; US 5633411 1997 HCAPLUS

Structure 9

=> D QUE
L7 STR



H3C—C═CH2
11 @12 13

CH═CH—CH2
@8 9 10

VAR G1=8/12
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L8 STR

O—Ak—Cb—Ak—O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE
L9 STR

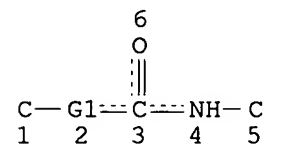
CH2-CH2-CH2-CH2-O
1 2 3 4 5

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

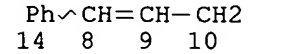
STEREO ATTRIBUTES: NONE
L10 STR



VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

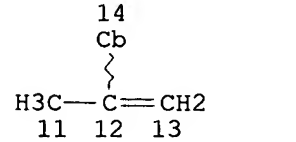
STEREO ATTRIBUTES: NONE
L11 SCR 1016 OR 970
L12 (4169)SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
L13 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L14 STR



NODE ATTRIBUTES:
CONNECT IS X2 RC AT 14
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I

NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
L24 1 SEA FILE=REGISTRY ABB=ON L15 AND 62/C

structure 9 has 62 carbons

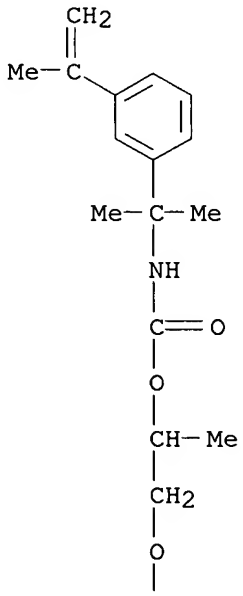
=> D SCAN

1 answer

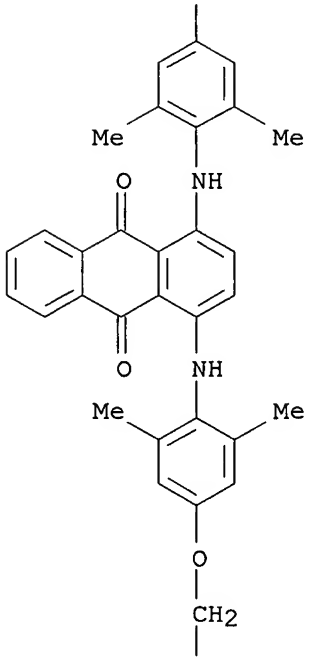
L24 1 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Carbamic acid, [1-methyl-1-[3-(1-methylethenyl)phenyl]ethyl]-, (9,10-dihydro-9,10-dioxo-1,4-anthracenediyl)bis[imino(3,5-dimethyl-4,1-phenylene)oxy(1-methyl-2,1-ethanediyl)] ester (9CI)
MF **C62 H68 N4 O8**

PAGE 1-A

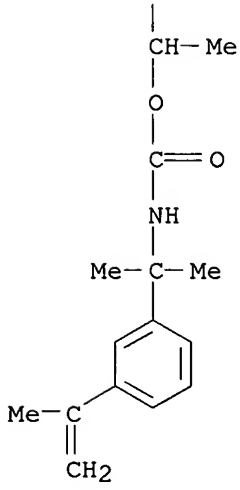
no



PAGE 2-A



PAGE 3-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

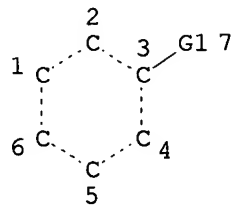
ALL ANSWERS HAVE BEEN SCANNED

=> D QUE

KATHLEEN FULLER EIC 1700/PARKER LAW 308-4290

Looking for structure 5 — not found

L7 STR



H3C—C═CH2
11 @12 13

CH═CH—CH2
@8 9 10

VAR G1=8/12
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L8 STR

O—Ak—Cb—Ak—O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

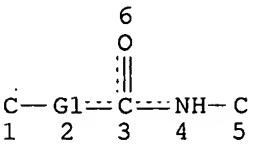
STEREO ATTRIBUTES: NONE
L9 STR

CH2·CH2·CH2·CH2·O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

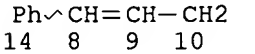
STEREO ATTRIBUTES: NONE
L10 STR



VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

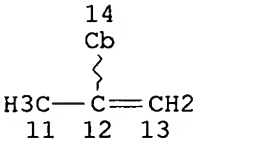
STEREO ATTRIBUTES: NONE
L11 SCR 1016 OR 970
L12 (4169) SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
L13 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L14 STR



NODE ATTRIBUTES:
CONNECT IS X2 RC AT 14
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
L19 63 SEA FILE=REGISTRY ABB=ON C32H46N4O2/MF
L20 0 SEA FILE=REGISTRY ABB=ON L15 AND L19
L25 522 SEA FILE=REGISTRY ABB=ON L15 AND 1/NR AND 3-14/O
L29 0 SEA FILE=REGISTRY ABB=ON L20 AND (BUTAN? OR BUTYL)

zero for structure 5

Looking for structure 2

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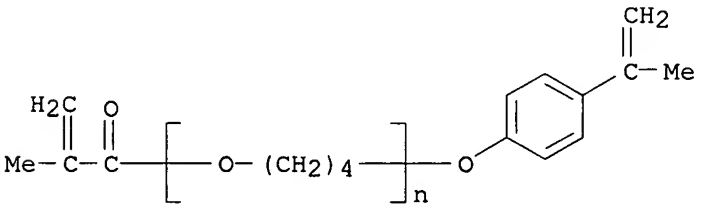
```
L30       23726 SEA FILE=REGISTRY ABB=ON  C4H8O
L31           0 SEA FILE=REGISTRY ABB=ON  L20 AND L30
L32           1 SEA FILE=REGISTRY ABB=ON  L30 AND L25
L33           1 SEA FILE=REGISTRY ABB=ON  L29 OR L31 OR L32
```

structure 2

```
=> D SCAN

L33  1 ANSWERS   REGISTRY  COPYRIGHT 2003 ACS on STN
IN   Poly(oxy-1,4-butanediyl), .alpha.-(2-methyl-1-oxo-2-propenyl)-.omega.-[4-
     (1-methylethenyl)phenoxy]- (9CI)
MF   (C4 H8 O)n C13 H14 O2
CI   PMS
```

none of these are correct



no

ALL ANSWERS HAVE BEEN SCANNED

```
=> D QUE L20
L7             STR
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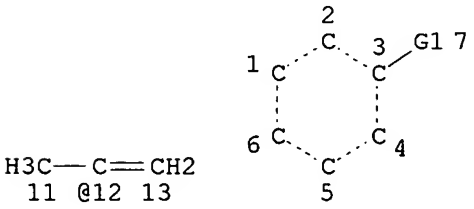
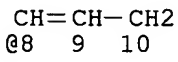


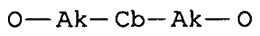



```
VAR G1=8/12
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS  13

STEREO ATTRIBUTES: NONE
```

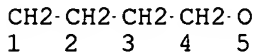
L8 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

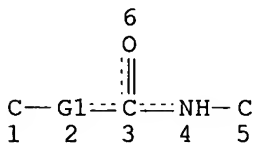
STEREO ATTRIBUTES: NONE
L9 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

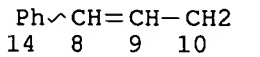
STEREO ATTRIBUTES: NONE
L10 STR



VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

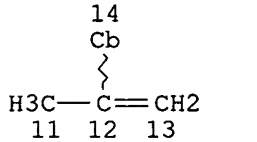
STEREO ATTRIBUTES: NONE
L11 SCR 1016 OR 970
L12 (4169) SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
L13 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L14 STR

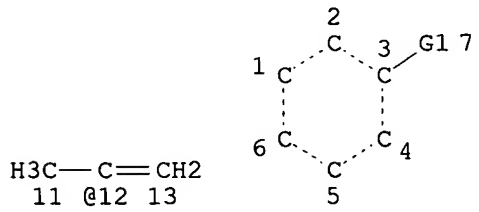


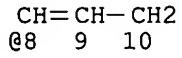
NODE ATTRIBUTES:
CONNECT IS X2 RC AT 14
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
L19 63 SEA FILE=REGISTRY ABB=ON C32H46N4O2/MF
L20 0 SEA FILE=REGISTRY ABB=ON L15 AND L19

=> D QUE
L7 STR





VAR G1=8/12
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L8 STR

```
O—Ak—Cb—Ak—O
1   2   3   4   5
```

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE
L9 STR

```
CH2·CH2·CH2·CH2·O
1   2   3   4   5
```

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE
L10 STR

```
        6
        O
        ‖
C—G1···C···NH—C
1   2   3   4   5
```

VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE
L11 SCR 1016 OR 970
L12 (4169) SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
L13 STR

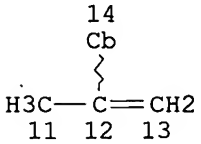
```
 Ph⌒CH=CH—CH2
14  8   9  10
```

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L14 STR



NODE ATTRIBUTES:
CONNECT IS X2 RC AT 14
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED

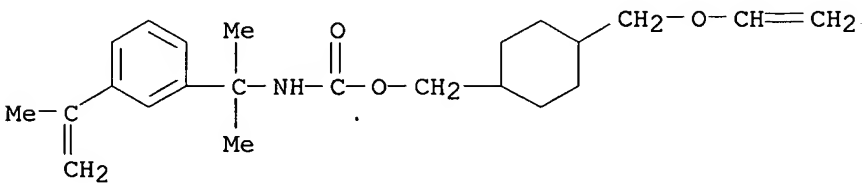
GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
L34 1 SEA FILE=REGISTRY ABB=ON L15 AND C23H33NO3/MF

Structure 6

=> D

L34 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 368451-69-8 REGISTRY
CN Carbamic acid, [1-methyl-1-[3-(1-methylethenyl)phenyl]ethyl]-, [4-[(ethenyloxy)methyl]cyclohexyl]methyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C23 H33 N O3**
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1937 TO DATE)
1 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> FILE HCAPLUS
FILE 'HCAPLUS' ENTERED AT 14:49:58 ON 12 SEP 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

KATHLEEN FULLER EIC 1700/PARKER LAW 308-4290

FILE COVERS 1907 - 12 Sep 2003 VOL 139 ISS 12
FILE LAST UPDATED: 11 Sep 2003 (20030911/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L34
L35 1 L34

=> D ALL

L35 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:772155 HCAPLUS
DN 135:319376
TI Curable hybrid electron donor compounds containing vinyl ether groups
IN Musa, Osama M.
PA National Starch and Chemical Investment Holding Corporation, USA
SO U.S., 11 pp.
CODEN: USXXAM
DT Patent
LA English
IC ICM C08G018-04
NCL 528044000
CC 38-3 (Plastics Fabrication and Uses)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6307001	B1	20011023	US 2000-573376	20000518
	EP 1158008	A2	20011128	EP 2001-111273	20010516
	EP 1158008	A3	20030702		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	CN 1325845	A	20011212	CN 2001-119527	20010517
	JP 2002037752	A2	20020206	JP 2001-147728	20010517
PRAI	US 2000-573376	A	20000518		

OS MARPAT 135:319376
AB The title compds. comprise [R1R2C:CR3Ar(G0,1,2)Q0,1X]mZ[OCR4:CR5R6]n, (I) where m and n are independently 1 to 6; Ar is an arom. or heteroarom. ring having 3 to 10 carbon atoms within the ring, in which the heteroatom is N, O, or S; R1, R2, and R3 are independently hydrogen, Ar as described above, or an alkyl group having 1 to 12 carbon atoms; R4, R5, and R6 are independently hydrogen, a Me group or an Et group; G is OR7, SR7, NR1R2, Ar as described above, or an alkyl group having 1 to 12 carbon atoms, in which R7 is Ar as described above, or an alkyl group having 1 to 12 carbon

atoms, and R1 and R2 are as described above; Q is an alkyl group having 1 to 12 carbon atoms; X is amido, urethane, amino, urea, ester, sulfone, etc., and Z is an alkyl group, a siloxane, a polysiloxane, a C1-4 alkoxy-terminated siloxane or polysiloxane, a polyester, a polyurethane, a (poly)butadiene or an arom., polyarom., or heteroarom. group. Alternatively, isomers of I are used as the electron donors. The compds. are suitable for use as adhesives or as components in adhesives (e.g., with bismaleimides).

ST vinyl ether electron donor bismaleimide adhesive

IT Adhesives
Electron donors
(curable hybrid electron donor compds. contg. vinyl ether groups)

IT 368451-59-6P 368451-65-4P **368451-69-8P** 368451-73-4P
368451-77-8P 368451-82-5P 368451-92-7P 368452-00-0P 368452-08-8P
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(curable hybrid electron donor compds. contg. vinyl ether groups)

IT 36115-41-0P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(curable hybrid electron donor compds. contg. vinyl ether groups)

IT 114539-68-3
RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
(curable hybrid electron donor compds. contg. vinyl ether groups)

IT 97-54-1, Isoeugenol 106-89-8, Epichlorohydrin, reactions 1592-20-7, 4-Vinyl benzyl chloride 2094-99-7, 3-Isopropenyl-.alpha.,.alpha.-dimethylbenzyl isocyanate 2687-12-9, Cinnamyl chloride 17832-28-9, 1,4-Butanediol monovinyl ether 27336-16-9, 1, 6-Hexanediol monovinyl ether 66415-55-2 130759-13-6, Cyclohexanedimethanol monovinyl ether
RL: RCT (Reactant); RACT (Reactant or reagent)
(curable hybrid electron donor compds. contg. vinyl ether groups)

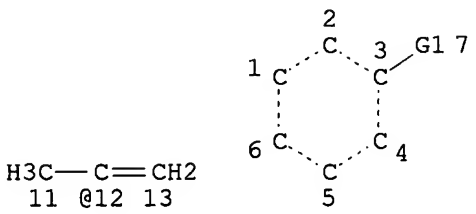
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Dershem; US 6034194 2000 HCAPLUS
(2) Dershem; US 6034195 2000 HCAPLUS
(3) Green; US 5514727 1996 HCAPLUS
(4) Heffner; US 4486582 1984 HCAPLUS
(5) Husson; US 5789757 1998 HCAPLUS
(6) Jacobine; US 5516455 1996 HCAPLUS
(7) Kohli, P; Macromolecules 1998, V31, P5681 HCAPLUS
(8) Lapin; US 4749807 1988 HCAPLUS
(9) Lapin; US 4751273 1988 HCAPLUS
(10) Lapin; US 4775732 1988 HCAPLUS
(11) Liu; US 5183946 1993 HCAPLUS
(12) McArdle; US 5084490 1992 HCAPLUS
(13) Nguyen; US 5708129 1998 HCAPLUS
(14) Noren; US 5334456 1994 HCAPLUS
(15) Swedo; US 5491178 1996 HCAPLUS
(16) Swedo; US 5539014 1996 HCAPLUS
(17) Woods; US 4543397 1985 HCAPLUS
(18) Woods; US 4640849 1987 HCAPLUS
(19) Woods; US 4732956 1988 HCAPLUS
(20) Woods; US 5019629 1991 HCAPLUS
(21) Woods; US 5633411 1997 HCAPLUS

=> D QUE

L7 STR



VAR G1=8/12
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L8 STR

O—Ak—Cb—Ak—O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

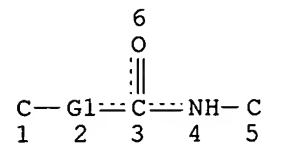
STEREO ATTRIBUTES: NONE
L9 STR

CH2·CH2·CH2·CH2·O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

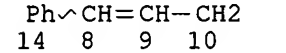
STEREO ATTRIBUTES: NONE
L10 STR



VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE
L11 SCR 1016 OR 970
L12 (4169)SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
L13 STR



NODE ATTRIBUTES:
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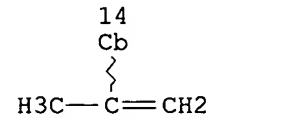
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L14 STR



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CONNECT IS X2 RC AT 14
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
L36 1 SEA FILE=REGISTRY ABB=ON L15 AND C19H31NO5SI/MF

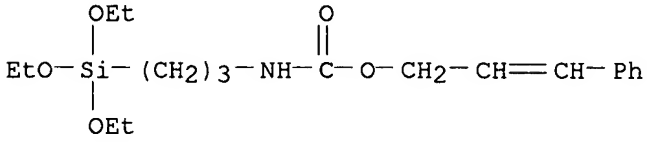
structure 3

=> D

KATHLEEN FULLER EIC 1700/PARKER LAW 308-4290

L36 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 374782-58-8 REGISTRY
CN Carbamic acid, [3-(triethoxysilyl)propyl]-, 3-phenyl-2-propenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C19 H31 N O5 Si**
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

structure 3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1937 TO DATE)
1 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> FILE HCAPLUS
FILE 'HCAPLUS' ENTERED AT 14:51:35 ON 12 SEP 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 12 Sep 2003 VOL 139 ISS 12
FILE LAST UPDATED: 11 Sep 2003 (20030911/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L36
L37 1 L36

=> D ALL

L37 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:850769 HCAPLUS
DN 136:7191
TI Adhesion promoters which are silanes comprising carbamate or urea groups,

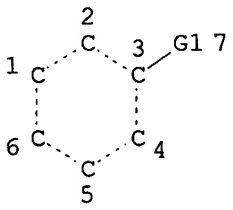
and a group with electron donor or acceptor functionality
IN Musa, Osama M.; McLean, Colin; Bonneau, Mark; Nikolic, Nikola A.
PA National Starch and Chemical Investment Holding Corporation, USA
SO Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW
DT Patent
LA English
IC ICM C07F007-18
ICS C09J175-04
CC 38-3 (Plastics Fabrication and Uses)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1156053	A2	20011121	EP 2001-111272	20010516
	EP 1156053	A3	20030827		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 6441213	B1	20020827	US 2000-573804	20000518
	JP 2002003816	A2	20020109	JP 2001-146526	20010516
	CN 1324907	A	20011205	CN 2001-119523	20010517
PRAI	US 2000-573804	A	20000518		

OS MARPAT 136:7191
AB The title adhesion promoters have the structure [(RO)3Si]mR1XCOYR2En in which m and n are 1 to 6; R is a C1-3 alkyl group or an arom. or heteroarom. ring or fused ring having 3 to 10 carbon atoms within the ring structure, in which the heteroatoms may be N, O, or S; R1 and R2 are a linear or branched chain alkyl or alkyloxy group that have 2 to 100 carbon atoms, which chain may have cyclic moieties, E is an electron donating or electron accepting group selected from the group consisting of maleates, fumarate, maleimides, acrylates, carbon to carbon double bonds connected to an arom. ring and conjugated with the unsatn. in the ring, and X and Y are 0, S or N(R3) with the proviso that X and Y may not both be O or S, and in which R3 is a C1-4 alkyl. The compds. display low volatility. A compd. was prepd. by reaction of maleic anhydride and 6-aminocaproic acid, formation of the maleimide from the amic acid, conversion to 6-maleimidocaproic chloride, formation of a maleimido isocyanate and reaction with Silquest A-1100.
ST silane electron donor acceptor adhesion promoter; maleimido silane adhesion promoter
IT Adhesion promoters
Adhesives
(adhesion promoters which are silanes comprising carbamate or urea groups, and a group with electron donor or acceptor functionality)
IT 159856-61-8P 374782-54-4P 374782-56-6P **374782-58-8P**
374782-60-2P 374782-65-7P
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(adhesion promoters which are silanes comprising carbamate or urea groups, and a group with electron donor or acceptor functionality)
IT 55750-53-3P, 6-Maleimidocaproic acid 57079-14-8P 82333-93-5P
157503-18-9P 196492-12-3P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(adhesion promoters which are silanes comprising carbamate or urea groups, and a group with electron donor or acceptor functionality)
IT 60-32-2, 6-Aminocaproicacid 104-54-1, Cinnamyl alcohol 108-31-6, Maleic anhydride, reactions 919-30-2, Silquest A-1100 2094-99-7, 3-Isopropenyl-.alpha.,.alpha.-dimethylbenzyl isocyanate 4048-33-3,

6-Amino hexanol 4420-74-0, Silquest A-189 24801-88-5, Silquest A-1310
42978-84-7, Hydroxybutyl vinyl ether 114651-37-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(adhesion promoters which are silanes comprising carbamate or urea groups, and a group with electron donor or acceptor functionality)

=> D QUE
L7 STR



H3C—C═CH2
11 @12 13

Structure 8 — not found

CH═CH—CH2
@8 9 10

VAR G1=8/12
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L8 STR

O—Ak—Cb—Ak—O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

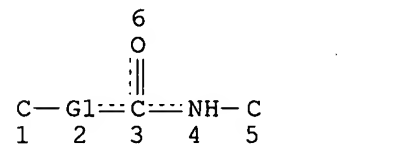
STEREO ATTRIBUTES: NONE
L9 STR

CH2·CH2·CH2·CH2·O
1 2 3 4 5

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

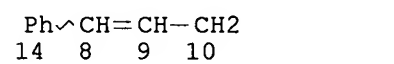
STEREO ATTRIBUTES: NONE
L10 STR



VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

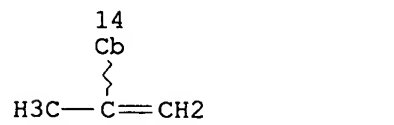
STEREO ATTRIBUTES: NONE
L11 SCR 1016 OR 970
L12 (4169) SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
L13 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L14 STR



NODE ATTRIBUTES:
CONNECT IS X2 RC AT 14
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

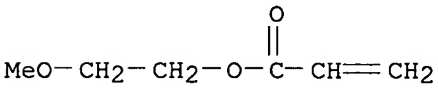
STEREO ATTRIBUTES: NONE
L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
L39 173117 SEA FILE=REGISTRY ABB=ON 1.30.1/RID
L40 198 SEA FILE=REGISTRY ABB=ON L15 AND L39
L41 17 SEA FILE=REGISTRY ABB=ON L40 AND 4/NR
L42 2 SEA FILE=REGISTRY ABB=ON L41 AND 5/O AND 1/N

#8
2 answers - neither is correct

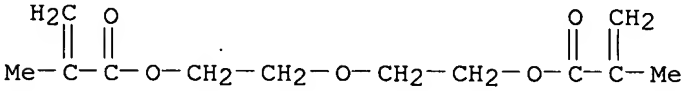
=> D SCAN

L42 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Propenoic acid, 2-methyl-, oxydi-2,1-ethanediyl ester, polymer with butyl 2-propenoate, ethenylbenzene, 1-(1-isocyanato-1-methylethyl)-3-(1-methylethenyl)benzene, 2-methoxyethyl 2-propenoate, methyl 2-methyl-2-propenoate, oxirane, oxiranylmethyl 2-methyl-2-propenoate and 2-propenoyl chloride (9CI)
MF **(C13 H15 N O . C12 H18 O5 . C8 H8 . C7 H12 O2 . C7 H10 O3 . C6 H10 O3 . C5 H8 O2 . C3 H3 Cl O . C2 H4 O)x**
CI PMS

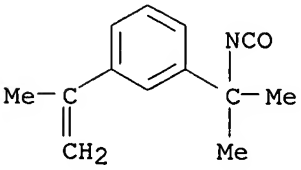
CM 1



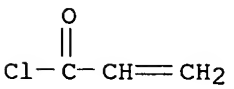
CM 2



CM 3



CM 4



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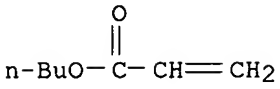
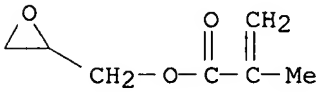


CM 6



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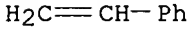
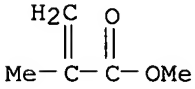


CM 8

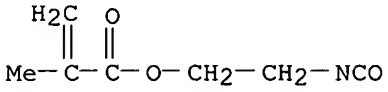


CM 9

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1): 1

L42 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Propenoic acid, 2-methyl-, oxydi-2,1-ethanediyl ester, polymer with butyl 2-propenoate, ethenylbenzene, 2-isocyanatoethyl 2-methyl-2-propenoate, 1-(1-isocyanato-1-methylethyl)-3-(1-methylethenyl)benzene, methyl 2-methyl-2-propenoate, oxirane, oxiranylmethyl 2-methyl-2-propenoate, 2-propenoic acid and 2-propenoyl chloride (9CI)
MF **(C13 H15 N O . C12 H18 O5 . C8 H8 . C7 H12 O2 . C7 H10 O3 . C7 H9 N O3 . C5 H8 O2 . C3 H4 O2 . C3 H3 Cl O . C2 H4 O)x**
CI PMS

CM 1



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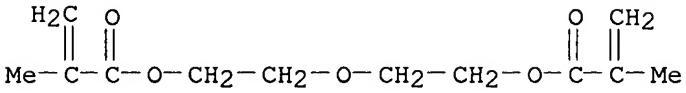
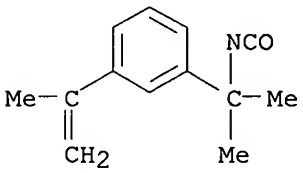
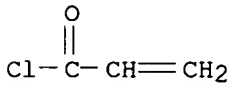


CM 3



CM 4



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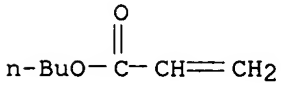

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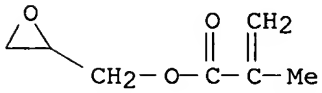
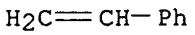
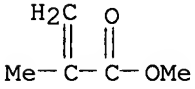


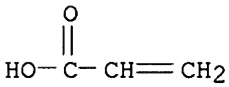
CM 7



CM 8



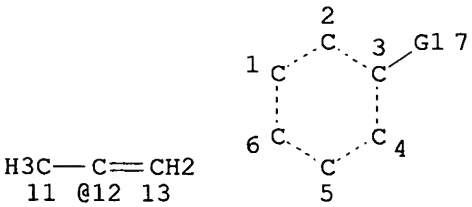
CM 9



CM 10

ALL ANSWERS HAVE BEEN SCANNED

=> D QUE
L7 STR

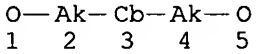


VAR G1=8/12
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I
NUMBER OF NODES IS 13

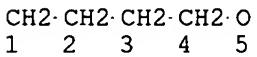
STEREO ATTRIBUTES: NONE
L8 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY SAT AT 3
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

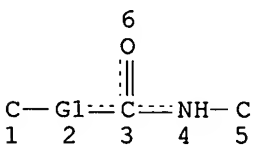
STEREO ATTRIBUTES: NONE
L9 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 5

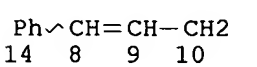
STEREO ATTRIBUTES: NONE
L10 STR



VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 6

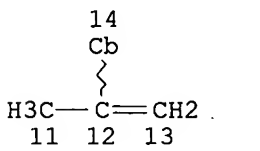
STEREO ATTRIBUTES: NONE
L11 SCR 1016 OR 970
L12 (4169) SEA FILE=REGISTRY SSS FUL L7 AND (L8 OR L9 OR L10) AND L11
L13 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L14 STR



NODE ATTRIBUTES:
CONNECT IS X2 RC AT 14
DEFAULT MLEVEL IS ATOM
GGCAT IS MCY UNS AT 14
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L15 2491 SEA FILE=REGISTRY SUB=L12 SSS FUL L13 OR L14
L46 0 SEA FILE=REGISTRY ABB=ON L15 AND C30H36O2/MF

claim 1